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Claims

1. A compound of the formula (I)

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$$CH_3 - (CH_2)_x - CH - (CH_2)_y - CO - [-O - R_3 -]_z - O - R_1$$

 $R_2 - O$ (I)

wherein

10 R_1 is H or $C_1 - C_4$ alkyl;

 R_2 is C_{14} to C_{22} , linear or branched, acyl, alkyl or alkenyl wherein the acyl, alkyl or alkenyl may be optionally further substituted with one or more substituents individually selected from the following; halogen, cyano, carboxy, carbamoyl, carbamoyl(C_1 - C_4)alkyl, fluoromethyl, difluoromethyl, trifluoromethyl, mercapto, nitro, amino, (C_1 - C_4)alkylamino,

phenyl, naphthyl, phenyloxy, naphthyloxy, (C₁-C₄)alkylthio, or (C₁-C₄)alkylsulfinyl; R₃ is ethylene, propylene or branched propylene;

x is 2-18;

y is 1 - 17;

and the sum of (x + y) is 3 -19, and

- 20 z is 25 455.
 - 2. A compound according to Claim 1, wherein R_1 is H or $C_1 C_2$ alkyl.
- 3. A compound according to Claim 1, wherein x is 2-15;
 y is 4-17;
 and the sum of (x + y) is 6-19.
- 30 4. A compound according to Claim 1, wherein z is 25 228.
 - 5. A compound according to Claim 1, wherein

 R_1 is H or $C_1 - C_2$ alkyl;

 R_2 is C_{14} to C_{22} , linear or branched, acyl, alkyl or alkenyl, wherein the acyl, alkyl or alkenyl may be optionally further substituted with one or more substituents individually selected from the following; halogen, cyano, carboxy, carbamoyl, carbamoyl(C_1 - C_4)alkyl,

fluoromethyl, difluoromethyl, trifluoromethyl, mercapto, nitro, amino, (C₁-C₄)alkylamino, phenyl, naphthyl, phenyloxy, naphthyloxy, (C₁-C₄)alkylthio, or (C₁-C₄)alkylsulfinyl; R₃ is ethylene, propylene or branched propylene;

x is 2 -15;

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y is 4-17;

and the sum of (x + y) is 6-19; and z is 25 - 228.

- 6. A compound according to any of claims 1-5, wherein R_1 is H.
- 7. A compound according to any of claims 1-5, wherein R_1 is $C_1 C_2$ alkyl.
- 8. A compound according to any of claims 1-5, wherein
 20 x is 2-12;
 y is 7-17;
 and the sum of (x + y) is 9-19.
 - 9. A compound according to any of claims 1-5, wherein z is 25-57.
 - 10. A compound according to claim 5, wherein R_1 is H or $C_1 C_2$ alkyl;

R₂ is C₁₄ to C₂₂, linear or branched, acyl, alkyl or alkenyl, wherein the acyl, alkyl or alkenyl may be optionally further substituted with one or more substituents individually selected from the following; halogen, cyano, carboxy, carbamoyl, carbamoyl(C₁-C₄)alkyl,

fluoromethyl, difluoromethyl, trifluoromethyl, mercapto, nitro, amino, (C_1-C_4) alkylamino, phenyl, naphthyl, phenyloxy, naphthyloxy, (C_1-C_4) alkylthio, or (C_1-C_4) alkylsulfinyl; R_3 is ethylene, propylene or branched propylene;

x is 2 -12;

5 y is 7 - 17;

and the sum of (x + y) is 9 - 19; and

z is 25 - 57.

11. A compound according to any of claims 1-10 wherein R_1 is $C_1 - C_2$ alkyl.

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- 12. A compound according to any of claims 1-10 wherein R₁ is H.
- 13. A compound according to any of claims 1-11 wherein R_1 is methyl.
- 15 14. A formulation comprising a solubilizing compound according to any of claims 1-13 and a compound requiring solubilization.
 - 15. A formulation according to claim 14 where the compound requiring solubilization is a compound having a solubility of less than 33 mg/ml in water.

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- 16. A formulation according to claim 14 or 15 comprising a compound according to any of claims 1-13, together with a pharmaceutically active ingredient.
- 17. A formulation according to claim 16 for use as a medicament.

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- 18. The use of a compound according to any of claims 1-13, as surfactant in a formulation according to claim 14 or 15, or in a pharmaceutical formulation according to claim 16.
- 19. A process for preparing a polyoxyalkylene glycol (POAG) ester, characterized in that
 30 the ester has a poly (oxyalkylene) glycol chain or a C₁ -C₄ alkyl derivatized poly
 (oxyalkylene) glycol chain having 25 455 repeating monomer units and that it utilizes a
 hydrolytic enzyme catalyzing ester formation with POAG or POAG monoalkyl ether and

the carboxylic acid group of an O-acylated, O-alkylated or O-alkenylated hydroxy fatty acid or $C_1 - C_4$ alkyl ester without catalyzing any reaction with a bond connecting any acyl, alkyl or alkenyl group to the hydroxy fatty acid or hydroxy fatty acid $C_1 - C_4$ alkyl ester.

- 5 20. A process according to claim 19 for preparing a compound with formula (I), according to any of claims 1-13, characterized in that the process utilizes a hydrolytic enzyme catalyzing ester formation with POAG or POAG monoalkyl ether and the carboxylic acid group of an O-acylated, O-alkylated or O-alkenylated hydroxy fatty acid or C₁ C₄ alkyl ester without catalyzing any reaction with a bond connecting any acyl, alkyl or alkenyl group to the hydroxy fatty acid or hydroxy fatty acid C₁ C₄ alkyl ester.
 - 21. A process in which the enzymatic POAGylation step according to claim 20, is performed without the presence of any organic solvents, i.e. a solvent-free reaction step.
- 22. A process according to claim 20, characterized in that it gives a compound according to any of claims 1-13, and that it utilizes the hydrolytic enzyme lipase B from *Candida* antarctica.
- 23. The process according to claim 20, wherein the hydrolytic enzyme is immobilized20 lipase B from Candida antarctica.